

08/680681

ABSTRACT

Measurement corrections transmitted from reference stations at known positions are transmitted to differential Global Position System receivers for use in computation of position information relative to the receiver. In one embodiment, circuitry included in the receiver detects errors in transmissions of measurement correction data streams from the closest reference station and replaces erroneous portions of the data streams with corresponding portions received from a second reference station. Alternately, a plurality of measurement correction data streams received from a plurality of reference stations are combined to produce a combined measurement correction used to correct the position information received from satellites.